

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:

10/533,622

Source:

IFW16

Date Processed by STIC:

9/15/06

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/533,622

DATE: 09/15/2006

TIME: 15:49:04

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\09152006\J533622.raw

```

 4 <110> APPLICANT: The Center For Blood Research, Inc., et al.
 6 <120> TITLE OF INVENTION: METHODS FOR TREATING AND PREVENTING
 7     APOPTOSIS-RELATED DISEASES USING RNA INTERFERING AGENTS
10 <130> FILE REFERENCE: CBN-008PC
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/533,622
C--> 12 <141> CURRENT FILING DATE: 2005-04-29
12 <150> PRIOR APPLICATION NUMBER: 60/422,578
13 <151> PRIOR FILING DATE: 2002-10-30
15 <160> NUMBER OF SEQ ID NOS: 28
17 <170> SOFTWARE: FastSEQ for Windows Version 4.0
19 <210> SEQ ID NO: 1
20 <211> LENGTH: 25
21 <212> TYPE: DNA
22 <213> ORGANISM: Artificial Sequence
24 <220> FEATURE:
25 <223> OTHER INFORMATION: Synthetic construct
27 <400> SEQUENCE: 1
28 gugcaagugc aaaccagact ttttt                25
30 <210> SEQ ID NO: 2
31 <211> LENGTH: 25
32 <212> TYPE: DNA
33 <213> ORGANISM: Artificial Sequence
35 <220> FEATURE:
36 <223> OTHER INFORMATION: Synthetic construct
38 <400> SEQUENCE: 2
39 gucugguuug cacuugcact ttttt                25
41 <210> SEQ ID NO: 3
42 <211> LENGTH: 25
43 <212> TYPE: DNA
44 <213> ORGANISM: Artificial Sequence
46 <220> FEATURE:
47 <223> OTHER INFORMATION: Synthetic construct
49 <400> SEQUENCE: 3
50 agccgaaugu cgcagaacct ttttt                25
52 <210> SEQ ID NO: 4
53 <211> LENGTH: 25
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial Sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: Synthetic construct
60 <400> SEQUENCE: 4
61 gguucugcga cauucggcut ttttt                25
63 <210> SEQ ID NO: 5

```

RAW SEQUENCE LISTING

DATE: 09/15/2006

PATENT APPLICATION: US/10/533,622

TIME: 15:49:04

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\09152006\J533622.raw

```

64 <211> LENGTH: 25
65 <212> TYPE: DNA
66 <213> ORGANISM: Artificial Sequence
68 <220> FEATURE:
69 <223> OTHER INFORMATION: Synthetic construct
71 <400> SEQUENCE: 5
72 ggauuauauc aaggagcct ttttt 25
74 <210> SEQ ID NO: 6
75 <211> LENGTH: 25
76 <212> TYPE: DNA
77 <213> ORGANISM: Artificial Sequence
79 <220> FEATURE:
80 <223> OTHER INFORMATION: Synthetic construct
82 <400> SEQUENCE: 6
83 ggccuccuug auauaaucct ttttt 25
85 <210> SEQ ID NO: 7
86 <211> LENGTH: 25
87 <212> TYPE: DNA
88 <213> ORGANISM: Artificial Sequence
90 <220> FEATURE:
91 <223> OTHER INFORMATION: Synthetic construct
93 <400> SEQUENCE: 7
94 aucgccuaug guuguugact ttttt 25
96 <210> SEQ ID NO: 8
97 <211> LENGTH: 25
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: Synthetic construct
104 <400> SEQUENCE: 8
105 gucaacaacc auaggcgaut ttttt 25
107 <210> SEQ ID NO: 9
108 <211> LENGTH: 25
109 <212> TYPE: DNA
110 <213> ORGANISM: Artificial Sequence
112 <220> FEATURE:
113 <223> OTHER INFORMATION: Synthetic construct
115 <400> SEQUENCE: 9
116 auacaucgccg agaauugcut ttttt 25
118 <210> SEQ ID NO: 10
119 <211> LENGTH: 25
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial Sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Synthetic construct
126 <400> SEQUENCE: 10
127 agcaauucuc gggauguaut ttttt 25
129 <210> SEQ ID NO: 11
130 <211> LENGTH: 25

```

RAW SEQUENCE LISTING

DATE: 09/15/2006

PATENT APPLICATION: US/10/533,622

TIME: 15:49:04

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\09152006\J533622.raw

```

131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Synthetic construct
137 <400> SEQUENCE: 11
138 aagccgaaug ucgcagaact ttttt 25
140 <210> SEQ ID NO: 12
141 <211> LENGTH: 25
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence
145 <220> FEATURE:
146 <223> OTHER INFORMATION: Synthetic construct
148 <400> SEQUENCE: 12
149 guucugcgac auucggcuut ttttt 25
151 <210> SEQ ID NO: 13
152 <211> LENGTH: 21
153 <212> TYPE: DNA
154 <213> ORGANISM: Artificial Sequence
156 <220> FEATURE:
157 <223> OTHER INFORMATION: Synthetic construct
159 <400> SEQUENCE: 13
160 ggcuaacgucc aggagcgcac c 21
162 <210> SEQ ID NO: 14
163 <211> LENGTH: 21
164 <212> TYPE: DNA
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Synthetic construct
170 <400> SEQUENCE: 14
171 ugcgcuuccug gacguagccu u 21
173 <210> SEQ ID NO: 15
174 <211> LENGTH: 25
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Synthetic construct
181 <400> SEQUENCE: 15
182 ggcuaacgucc aggagcgcat ttttt 25
184 <210> SEQ ID NO: 16
185 <211> LENGTH: 25
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Synthetic construct
192 <400> SEQUENCE: 16
193 ugcgcuuccug gacguagcct ttttt 25
195 <210> SEQ ID NO: 17
196 <211> LENGTH: 9
197 <212> TYPE: PRT

```

RAW SEQUENCE LISTING

DATE: 09/15/2006

PATENT APPLICATION: US/10/533,622

TIME: 15:49:04

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\09152006\J533622.raw

```

198 <213> ORGANISM: HIV-1
200 <400> SEQUENCE: 17
201 Arg Lys Lys Arg Arg Gln Arg Arg Arg
202 1 5
205 <210> SEQ ID NO: 18
206 <211> LENGTH: 13
207 <212> TYPE: PRT
208 <213> ORGANISM: HIV-1
210 <400> SEQUENCE: 18
211 Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Thr Pro Gln
212 1 5 10
215 <210> SEQ ID NO: 19
216 <211> LENGTH: 11
217 <212> TYPE: PRT
218 <213> ORGANISM: HIV-1
220 <400> SEQUENCE: 19
221 Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg
222 1 5 10
225 <210> SEQ ID NO: 20
226 <211> LENGTH: 26
227 <212> TYPE: PRT
228 <213> ORGANISM: Homo sapiens
230 <400> SEQUENCE: 20
231 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro
232 1 5 10 15
233 Val Gln Arg Lys Arg Gln Lys Leu Met Pro
234 20 25
237 <210> SEQ ID NO: 21
238 <211> LENGTH: 17
239 <212> TYPE: PRT
240 <213> ORGANISM: Caiman crocodylus
242 <400> SEQUENCE: 21
243 Met Gly Leu Gly Leu His Leu Leu Val Leu Ala Ala Ala Leu Gln Gly
244 1 5 10 15
245 Ala
249 <210> SEQ ID NO: 22
250 <211> LENGTH: 23
251 <212> TYPE: PRT
252 <213> ORGANISM: HIV-1
254 <400> SEQUENCE: 22
255 Gly Ala Leu Phe Leu Gly Phe Leu Gly Ala Ala Gly Ser Thr Met Gly
256 1 5 10 15
257 Ala Pro Lys Ser Lys Arg Lys
258 20
261 <210> SEQ ID NO: 23
262 <211> LENGTH: 16
263 <212> TYPE: PRT
264 <213> ORGANISM: Drosophila
266 <400> SEQUENCE: 23

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/533,622

DATE: 09/15/2006

TIME: 15:49:04

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\09152006\J533622.raw

267 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys
 268 1 5 10 15

271 <210> SEQ ID NO: 24

272 <211> LENGTH: 5

273 <212> TYPE: PRT

274 <213> ORGANISM: HIV-1

276 <220> FEATURE:

277 <221> NAME/KEY: VARIANT

278 <222> LOCATION: 1, 5

279 <223> OTHER INFORMATION: Xaa = Any Amino Acid

281 <400> SEQUENCE: 24

W--> 282 Xaa Arg Gly Asp Xaa

283 1 5

286 <210> SEQ ID NO: 25

287 <211> LENGTH: 24

288 <212> TYPE: PRT

289 <213> ORGANISM: Influenza

291 <400> SEQUENCE: 25

292 Gly Leu Phe Glu Ala Ile Ala Gly Phe Ile Glu Asn Gly Trp Glu Gly

293 1 5 10 15

294 Met Ile Asp Gly Gly Tyr Cys

295 20

298 <210> SEQ ID NO: 26

299 <211> LENGTH: 27

300 <212> TYPE: PRT

301 <213> ORGANISM: Artificial Sequence

303 <220> FEATURE:

304 <223> OTHER INFORMATION: Synthetic construct

306 <400> SEQUENCE: 26

307 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Lys Ile Asn Leu

308 1 5 10 15

309 Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu

310 20 25

313 <210> SEQ ID NO: 27

314 <211> LENGTH: 8

315 <212> TYPE: PRT

316 <213> ORGANISM: Artificial Sequence

318 <220> FEATURE:

319 <223> OTHER INFORMATION: Synthetic construct

321 <400> SEQUENCE: 27

322 Asp His Gln Leu Asn Pro Ala Phe

323 1 5

326 <210> SEQ ID NO: 28

327 <211> LENGTH: 8

328 <212> TYPE: PRT

329 <213> ORGANISM: Homo sapiens

331 <400> SEQUENCE: 28

332 Phe Cys Tyr Trp Lys Thr Cys Thr

333 1 5

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/533,622

DATE: 09/15/2006
TIME: 15:49:05

Input Set : A:\SEQLIST.TXT
Output Set: N:\CRF4\09152006\J533622.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:24; Xaa Pos. 1,5

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/533,622

DATE: 09/15/2006

TIME: 15:49:05

Input Set : A:\SEQLIST.TXT

Output Set: N:\CRF4\09152006\J533622.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:282 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0